

**REPLACEMENT
SHEET**

Title: Harmonic Cantilevers And Imaging Methods for Tapping-Mode
Atomic Force Microscopy
Inventors: Ozgur Sahin et al.
Serial No.: 10/801,394 Attorney Docket No.: STF-S02-045

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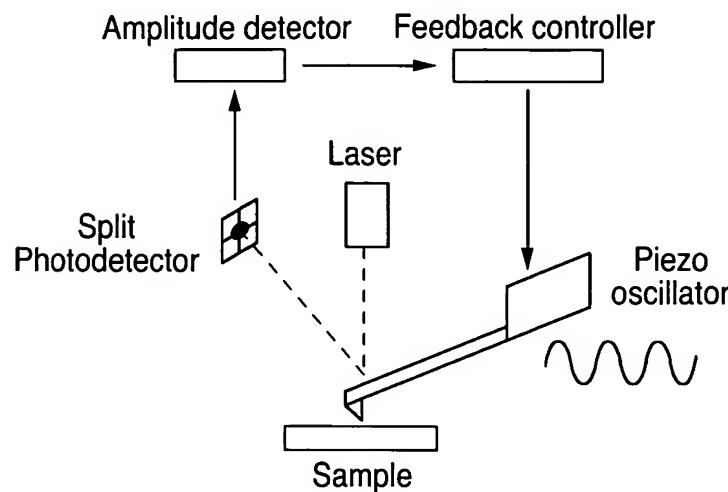
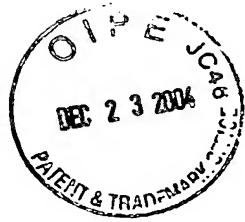


FIG. 1
(Prior Art)

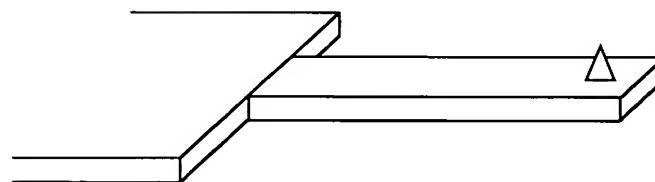


FIG. 2
(Prior Art)

FIG. 3(a)

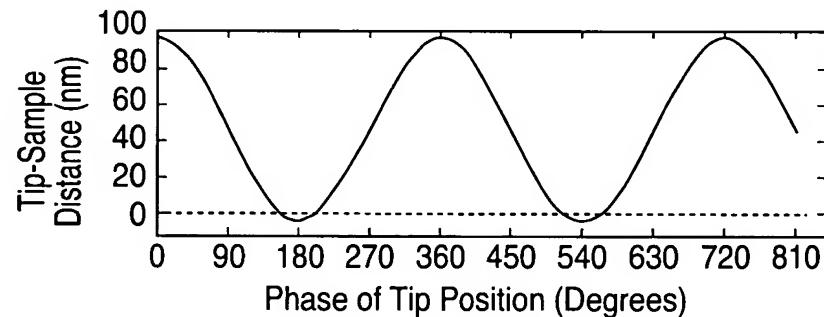
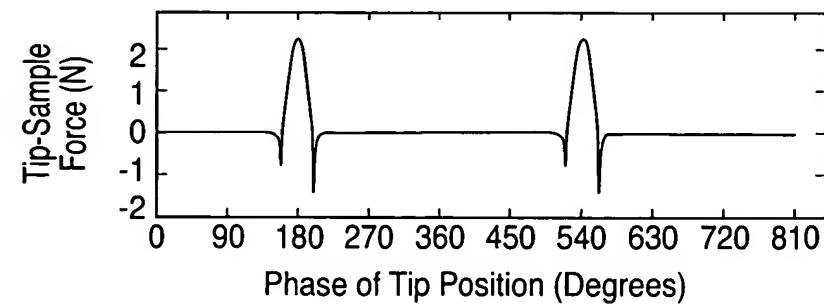


FIG. 3(b)



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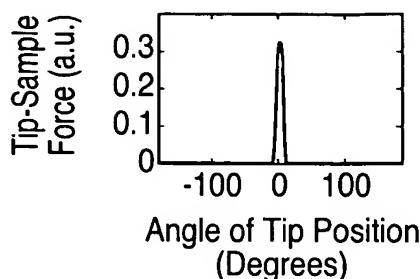


FIG. 4(a)

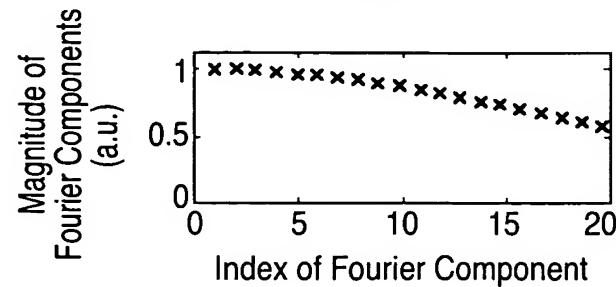


FIG. 4(d)

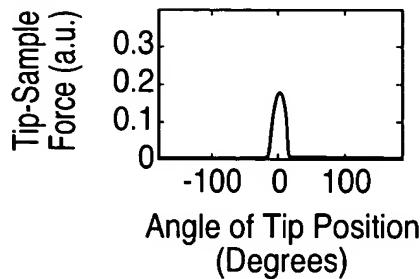


FIG. 4(b)

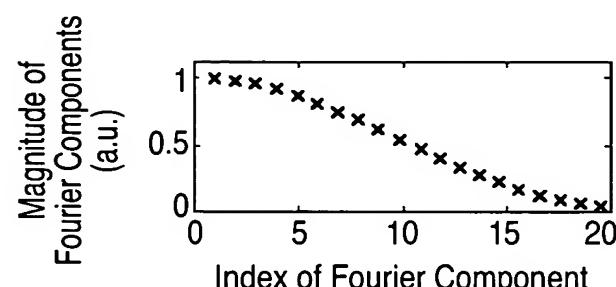


FIG. 4(e)

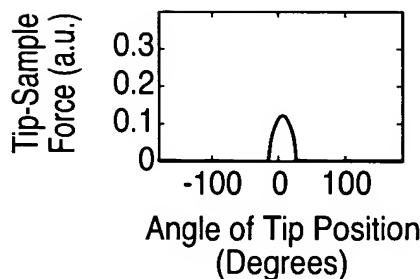


FIG. 4(c)

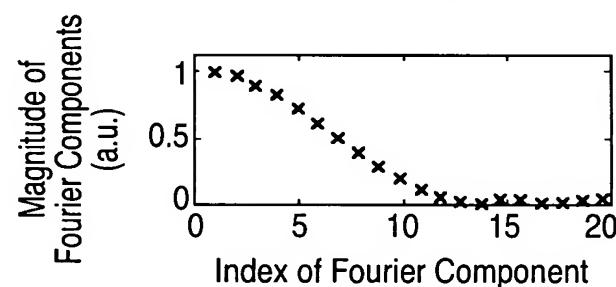


FIG. 4(f)

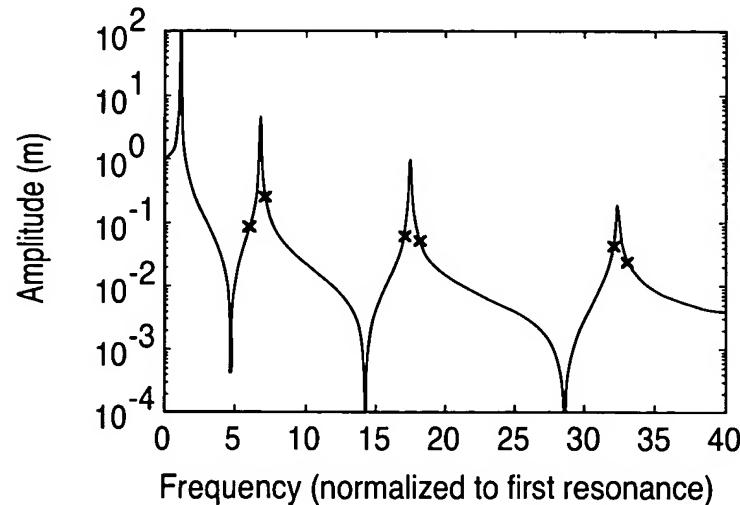
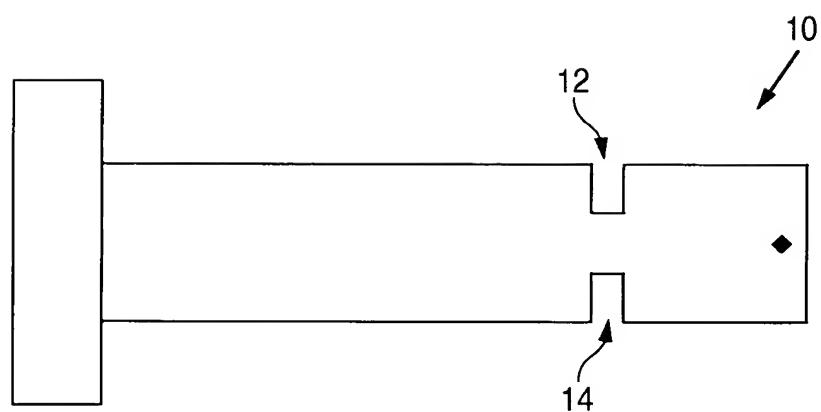
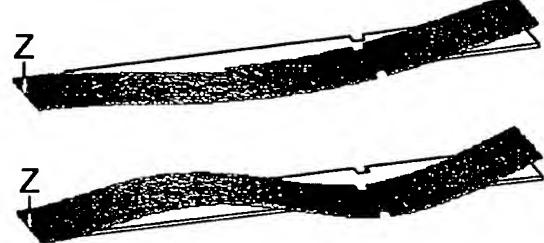
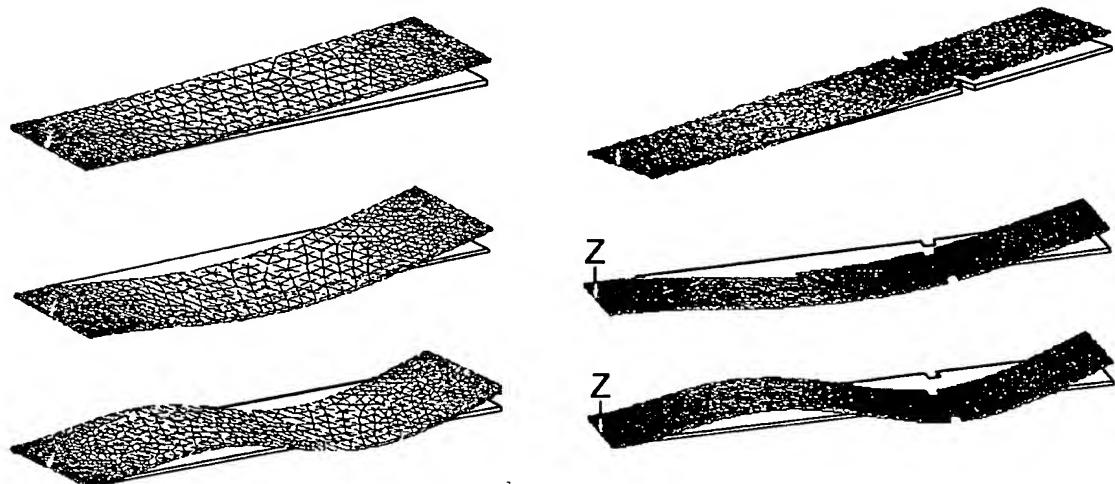


FIG. 5

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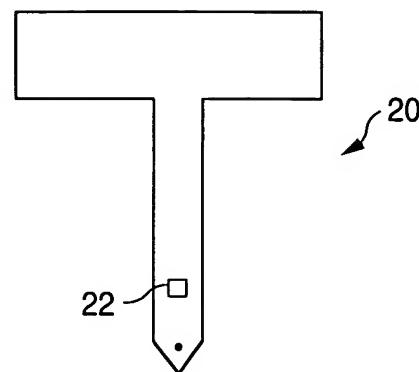


FIG. 9

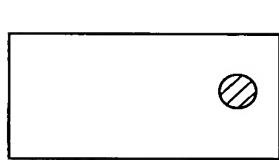


FIG. 10(a)

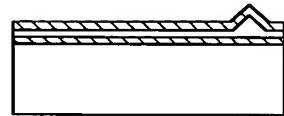


FIG. 10(d)

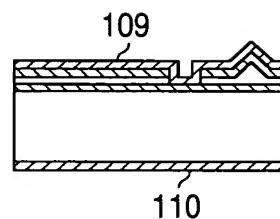


FIG. 10(g)

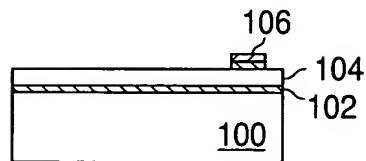


FIG. 10(b)

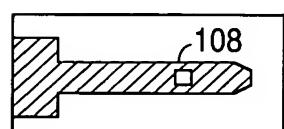


FIG. 10(e)

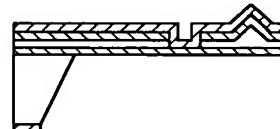


FIG. 10(h)

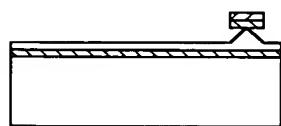


FIG. 10(c)

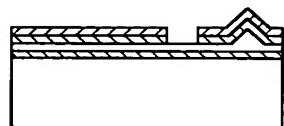


FIG. 10(f)



FIG. 10(i)

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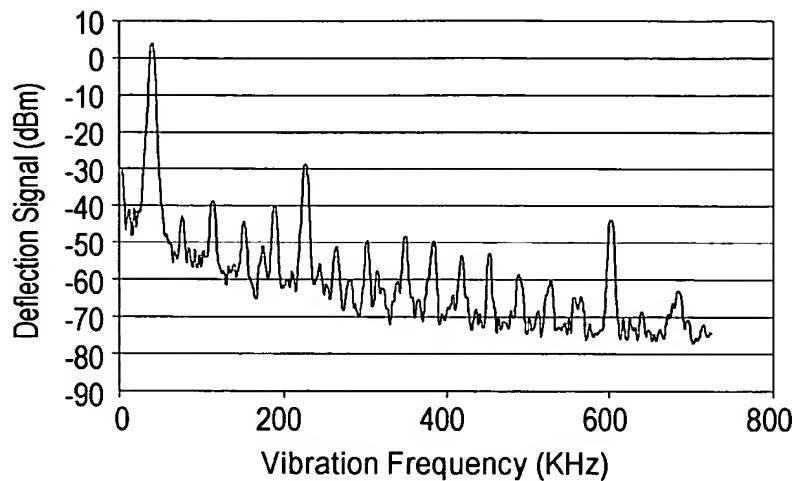


FIG. 11

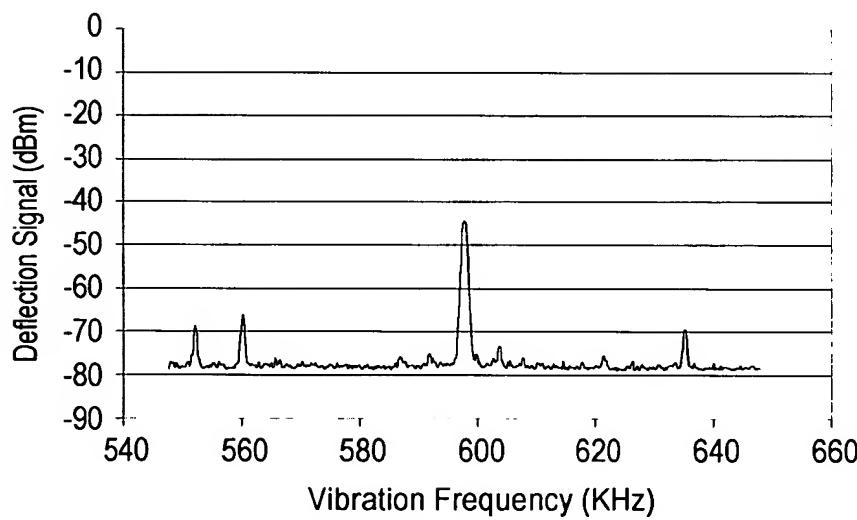


FIG. 12(a)

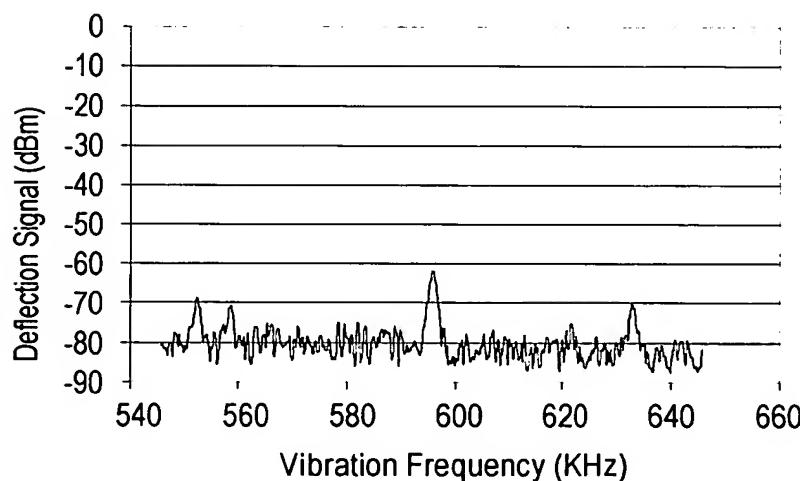


FIG. 12(b)

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FIG. 13

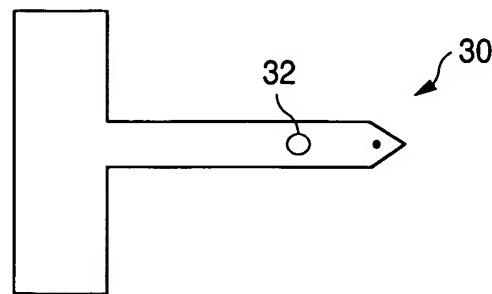


FIG. 14

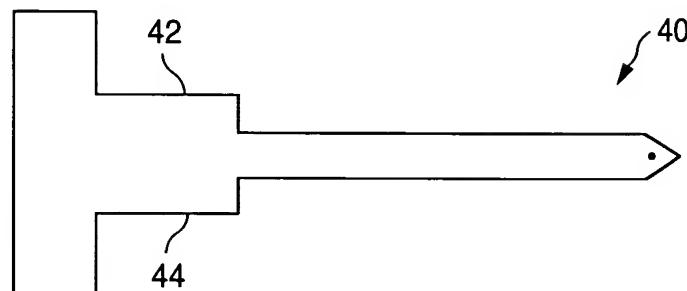


FIG. 15

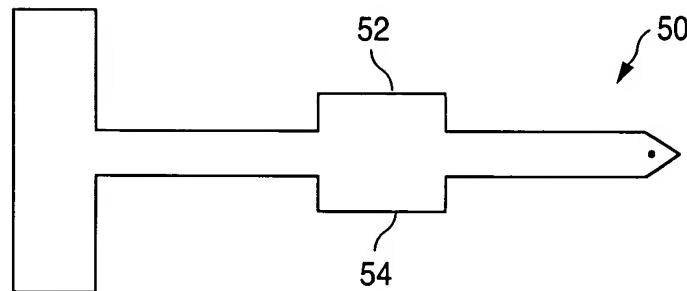


FIG. 16

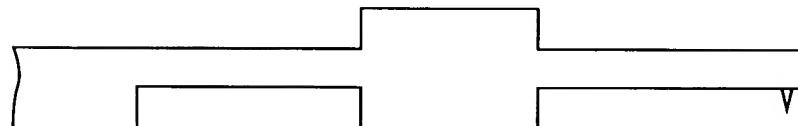
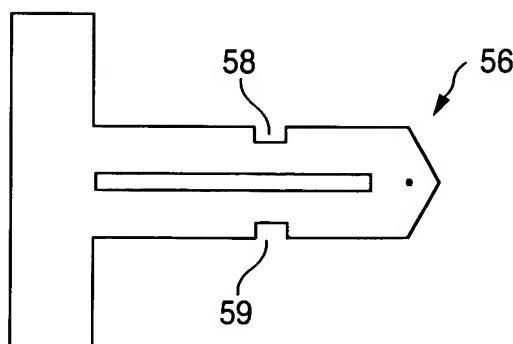


FIG. 17



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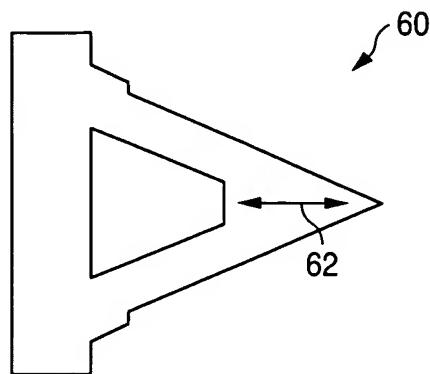


FIG. 18

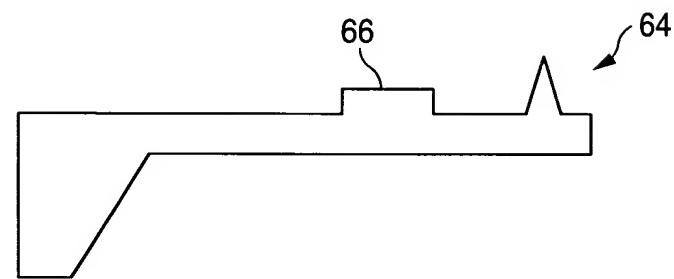


FIG. 19

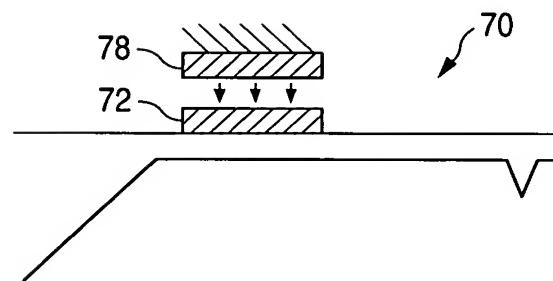


FIG. 20

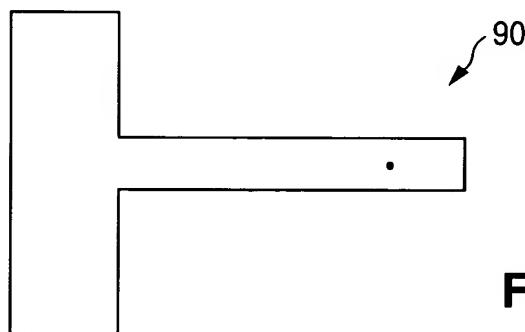


FIG. 21